

UNITED STATES DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

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CONSTRUCTION SPECIFICATION

CS-36: "LOG CRIBS"

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36.1 SCOPE

This specification covers the installation of log cribs for use in bio-engineering projects for streambank and/or slope protection. Installation shall be to the lines and grades as shown on the drawing and to the requirements of this construction specification.

36.2 SITE PREPARATION

The foundation and bank shall be shaped to the lines and grades shown in the drawings. Excess material shall be disposed by spreading in the areas shown on the drawings or removed from the site.

36.3 MATERIALS

The logs for cribs shall be sound and free of excessive decay from either deciduous or coniferous trees. The logs shall have a minimum diameter six inches and a maximum diameter of twelve inches. The logs shall be to the lengths shown on the drawing.

36.4 INSTALLATION

The log cribs shall be constructed on site with alternate placing of the side and ends in a horizontal position to the height shown on the plans. The cribs shall be filled with rocks of a size that will be contained in the crib. If earth is used to fill the cribs, the crib shall be lined with a nonbiodegradable fabric that will hold the soil in place. If live branches are to be planted, 80% of their length shall be covered with firmly compacted soil. If backfilling is required, the soil shall be placed in 4-inch or less horizontal layers and hand compacted to the density of the surrounding undisturbed soil.